



## PRODUCT DATA BULLETIN

Product Data Bulletin: A8-O

### Avery Graphics™ A8 Opaque 8-year HIGH PERFORMANCE cast vinyl film Dated: 10/3/02

#### Description:

Avery Graphics™ A8 Opaque high performance cast vinyl films are premium quality, flexible, opaque solid color, high gloss, thin, vinyl films designed for use in architectural, transportation and general signage markings. Avery Graphics™ A8 Opaque films offer exceptional value for applications requiring high quality gloss and color films with extended durability.

Application information can be found in the Avery Graphics Application Guide.

For surface preparation, converting and printing, and application and removal instructions, please refer to the Avery Graphics Instructional Bulletin.

#### Construction:

- Face Film: 2.0 mil opaque high gloss high performance cast vinyl film
- Adhesive: 1.0 mil clear acrylic permanent solvent pressure-sensitive adhesive
- Liner: 78# white bleached kraft

#### Physical Properties:

The following information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. They are given without guarantee and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of this material for his/her specific purpose. (Data represents averages and is not intended for use as a specification). Additional application references can be found in the Avery Graphics Application Guide.

Outdoor durability: 8 years when properly processed and applied (vertical exposure, unprinted film)\*\*

Application surface contours: Flat, Flat with Rivets, Rivets and Corrugation, and Compound Curves

Minimum surface and air application temperature: +40° F (4° C)

Service Temperature Range: -50° to 180° F (-46° to 82° C) (Reasonable range of temperatures which would be expected under normal environmental time and temperature conditions.)

Typical Chemical Resistance: Resistant to most mild acids, alkalis and salt solution. See instructional bulletin for recommendations on cleaning.

Shelf Life: One year when stored at temperatures and humidity conditions:  
68-77° F (20-25° C) 50+/-5% Relative Humidity.

Typical Adhesion Values: 180° Peels

Substrate	24 hr	1 week
Stainless Steel	4.0 lbs/in	4.5 lbs/in.

NOTE: Tested per ASTM 1000. Always pre-test your specific substrate prior to actual application.

Reflectivity: NA

Typical Gloss: 90

Tensile at Yield: 4.0 lb/in. to 8.0 lb/in. (0.7 kg/cm to 1.5 kg/cm)

Elongation: 100% minimum

Dimensional Stability: Less than 0.015 in. (0.4 mm) shrinkage determined by measurement of unprinted 36 in.<sup>2</sup> (91 cm<sup>2</sup>) film applied to an aluminum test panel after 72 hrs. aging at 73° F (23° C) 50+/-5% relative humidity followed by 48 hrs. at 150° F (65° C)

**Typical Converting Methods:**

**CUTTING**

Computer Sign Cutting: yes

Angle of Blade: 30° or 45°

Minimum letter Height: .5 inch

**PRINTING**

Thermal Transfer Printing: yes

Ink Jet Printing: no

E-Stat printing: no

Screen Printing: not recommended

**Exceptions:**

Durability Exceptions: none

Pigmented Adhesive Exceptions: Colors with pigmented adhesive (instead of clear): A8105-O Butter, A8140-O Sunflower, A8305-O Warm Red, A8350-O Fire Red, A8360-O Spectra Red and A8655-O Vibrant Green

\*\* Some color fade may occur in severe environmental areas such as, Florida, Arizona, Nevada, New Mexico, Utah, Southwest Texas and Southern California. Durability statement does not apply outside of the contiguous 48 states as testing has not been done in those regions.

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